



PATENT  
Docket No.: 201040/1020

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants	:	Alam et al.	)	Examiner:
Serial No.	:	09/455,978	)	H. Schnizer
Cnfrm. No.	:	5811	)	Art Unit:
Filed	:	December 6, 1999	)	1653
For	:	HEME PROTEINS HEMAT-HS AND HEMAT-BS AND THEIR USE IN MEDICINE AND MICROSENSORS	)	

Considered  
9-23-04  
TJS

DECLARATION OF MAQSUDUL ALAM UNDER 37 CFR § 1.132

I, MAQSUDUL ALAM, pursuant to 37 C.F.R. § 1.132, declare that:

1. I received an M.S. in Microbiology from Moscow State University in 1979, a Ph.D. in Biochemistry from Moscow State University in 1982, and a Ph.D. in Biochemistry from Max-Planck Institute, Germany, in 1987.

2. I am currently employed as a Professor, Department of Microbiology, University of Hawaii at Manoa, Honolulu, Hawaii, and have served in that capacity since July 2001. Prior to my current position, I previously served as an Assistant Professor from August 1992 until July 1997 and as an Associate Professor from August 1997 until June 2001, also within the Department of Microbiology, University of Hawaii.

3. I am a co-inventor of the above-identified patent application.

4. I am presenting this declaration to demonstrate that (i) the complex as presently claimed in my above-referenced patent application contains a heme binding protein complexed with a heme molecule, and (ii) that the claimed complex is neither taught nor suggested by Zhang et al., "Signal Transduction in the Archaeon *Halobacterium salinarium* is Processed Through Three Subfamilies of 13 Soluble and Membrane-Bound Transducer Proteins," *Proc. Natl. Acad. Sci. USA* 93:4649-4654 (1996) ("Zhang").